



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4250 Circle Top" Aluminum Fixed Window – N.I.

APPROVAL DOCUMENT: Drawing No. **PW-00-02**, titled "Series 4250 Aluminum Circle Top Fixed Window – Non Impact Resistant", sheets 1 through 6 of 6, dated 03/22/11, with revision #1 dated 03/07/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **11-0408.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



J. Gascon
6/18/12

NOA No. 12-0314.09
Expiration Date: October 15, 2016
Approval Date: May 24, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **PW-00-02**, Sheets 1 through 6 of 6, titled "Series 4250 Aluminum Circle Top Fixed Window – Non Impact Resistant", dated 03/22/11, with revision #1 dated 03/07/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular and arch top aluminum fixed window, glazed with 1/8" ann. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4660**, dated 07/15/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #06-0328.02)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular and arch top aluminum fixed window, glazed with 3/16" ann. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4659**, dated 07/27/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #06-0328.02)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular, arch top and eyebrow aluminum fixed window, glazed with 3/16" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4661**, dated 07/28/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #06-0328.02)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an arch aluminum fixed window, glazed with 3/16" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4851**, dated 02/09/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #06-0328.02)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0314.09

Expiration Date: October 15, 2016

Approval Date: May 24, 2012

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC-2007, dated 03/15/11, prepared, signed and sealed by Francisco Hernandez, P.E.
(Submitted under previous NOA#11-0408.03)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

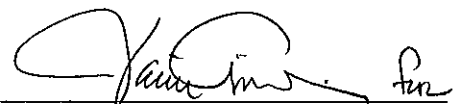
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 09, 2012, signed and sealed by Francisco Hernandez, P.E.

G. OTHERS

1. Notice of Acceptance No. **11-0408.03**, issued to Sunshine Windows Manufacturing, Inc. for their Series "4250 Circle Top" Aluminum Fixed Window – N. I., approved on 09/15/11 and expiring on 10/15/16.



Manuel Perez, P.E.

Product Control Examiner

NOA No. 12-0314.09

Expiration Date: October 15, 2016

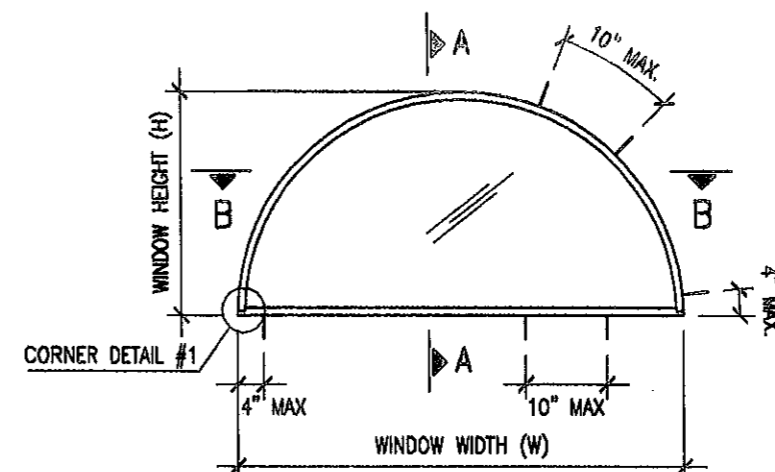
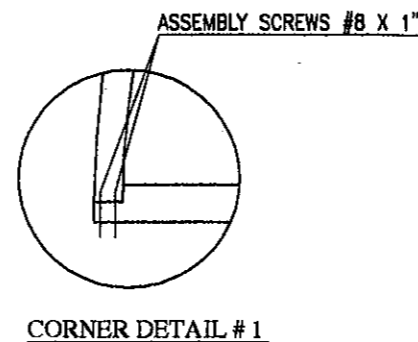
Approval Date: May 24, 2012

DESIGN PRESSURES CHART - PSF

WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS	
	POS.	NEG.
120 X 40	62.67	70.04
120 X 37	62.67	74.60
120 X 26	62.67	100.70
120 X 19	62.67	133.44
108 X 46	62.67	64.48
108 X 40	62.67	71.63
108 X 37	62.67	76.14
108 X 26	62.67	102.08
108 X 19	62.67	134.72
96 X 48	62.67	64.85
96 X 46	62.67	66.74
96 X 40	62.67	73.72
96 X 37	62.67	78.16
96 X 26	62.67	103.86
96 X 19	62.67	136.37
91 X 40	62.67	74.81
91 X 37	62.67	79.20
91 X 26	62.67	104.76
91 X 19	62.67	137.20
84 X 42	62.67	74.11
84 X 40	62.67	76.60
84 X 37	62.67	80.92
84 X 26	62.67	106.23
84 X 19	62.67	138.54
78 X 37	84.25	84.25
78 X 26	94.67	109.75
78 X 19	94.67	142.51
74 X 37	90.32	90.32
74 X 26	94.67	116.94
74 X 19	94.67	151.34
63 X 31.50	94.67	109.04
63 X 26	94.67	124.84
63 X 19	94.67	159.65
53 X 26.50	94.67	132.06
53 X 19	94.67	168.30
46 X 19	94.67	167.15
38 X 19	94.67	171.26
26.50 X 13.25	94.67	209.00

DESIGN PRESSURES CHART - PSF

WINDOW SIZE W X H INCHES	3/16" ANNEALED GLASS		DSB ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.
74 X 26	38.00	49.20	-	-
74 X 19	38.00	63.67	-	-
63 X 31.50	38.00	44.63	-	-
63 X 26	38.00	51.10	-	-
63 X 19	38.00	65.36	-	-
53 X 26.50	38.00	53.06	-	-
53 X 19	38.00	67.62	40.50	40.50
46 X 19	38.00	69.95	41.33	46.80
38 X 19	38.00	74.00	41.33	57.46
26.50 X 13.25	38.00	106.11	41.33	82.40



ARCH
TYPICAL ELEVATION

GENERAL NOTES:

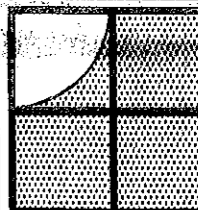
- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1. BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH $f'_c=3,200$ psi MIN., CMU PER ASTM C90, FILLED CMU $f_m=2,000$ psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE $F_y= 36$ KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

GLASS:

3/16" TEMPERED, 3/16" ANNEALED OR 1/8" ANNEALED GLASS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314.09
Expiration Date 12/15/2016
By *[Signature]* for
Miami Dade Product Control

FRANCISCO HERNANDEZ
FLORIDA PE # 51393



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)384-9952
Fax: (305)828-6118

SERIES 4250 ALUMINUM
 CIRCLE TOP FIXED WINDOW
 NON IMPACT RESISTANT GLASS

No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-07-12		

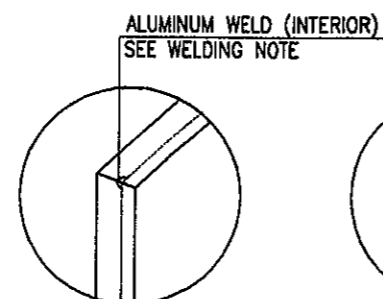
DRAWING No.
PW-00-02
DATE: 03-22-11
SCALE: 1/2"=1"
SHEET 1 OF 6

DESIGN PRESSURE CHART - PSF				
WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.
120 X 40	62.67	70.04	-	-
120 X 37	62.67	74.60	-	-
120 X 26	62.67	100.70	47.50	47.50
120 X 19	62.67	133.44	62.67	99.50
108 X 46	62.67	64.48	-	-
108 X 40	62.67	71.63	-	-
108 X 37	62.67	76.14	-	-
108 X 26	62.67	102.08	48.80	48.80
108 X 19	62.67	134.72	62.67	101.00
96 X 50	60.03	60.03	-	-
96 X 46	62.67	65.25	-	-
96 X 40	62.67	73.72	-	-
96 X 37	62.67	78.16	-	-
96 X 26	62.67	103.86	50.40	50.40
96 X 19	62.67	136.37	62.67	104.00
91 X 54	55.59	55.59	-	-
91 X 50	60.03	60.03	-	-
91 X 46	62.67	65.25	-	-
91 X 40	62.67	74.81	-	-
91 X 37	62.67	79.20	-	-
91 X 26	62.67	104.76	51.20	51.20
91 X 19	62.67	137.20	62.67	105.00
84 X 58	51.75	51.75	-	-
84 X 54	55.59	55.59	-	-
84 X 50	60.03	60.03	-	-
84 X 46	62.67	65.25	-	-
84 X 40	62.67	75.04	-	-
84 X 37	62.67	80.92	-	-
84 X 26	62.67	106.23	52.70	52.70
84 X 19	62.67	138.54	62.67	108.00
78 X 46	73.31	73.31	34.70	34.70
78 X 40	79.94	79.94	34.90	34.90
78 X 37	84.25	84.25	35.30	35.30
78 X 26	94.67	109.75	54.50	54.50

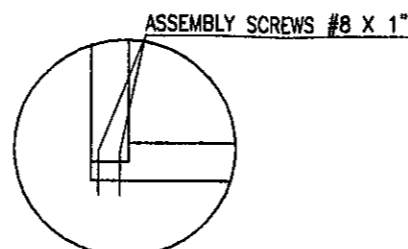
DESIGN PRESSURE CHART - PSF					
WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS		DSB ANNEALED GLASS
	POS.	NEG.	POS.	NEG.	POS. NEG.
78 X 19	94.67	142.51	94.67	110.00	45.00 45.00
74 X 50	75.70	75.70	36.10	36.10	- -
74 X 46	79.06	79.06	36.90	36.90	- -
74 X 40	85.87	85.87	37.60	37.60	- -
74 X 37	90.32	90.32	37.90	37.90	- -
74 X 26	94.67	116.94	56.00	56.00	- -
74 X 19	94.67	151.34	94.67	112.00	33.50 33.50
63 X 58	78.23	78.23	37.80	37.80	- -
63 X 54	83.48	83.48	38.90	38.90	- -
63 X 50	85.41	85.41	41.90	41.90	- -
63 X 46	88.20	88.20	43.90	43.90	- -
63 X 40	94.35	94.35	46.10	46.10	- -
63 X 37	94.67	98.57	46.80	46.80	- -
63 X 26	94.67	124.84	61.50	61.50	- -
63 X 19	94.67	159.65	94.67	119.00	48.40 48.40
53 X 50	90.75	90.75	49.10	49.10	- -
53 X 46	94.67	98.64	51.90	51.90	- -
53 X 40	94.67	105.38	56.10	56.10	34.00 34.00
53 X 37	94.67	108.97	57.80	57.80	36.50 36.50
53 X 26	94.67	133.75	71.00	71.00	39.80 39.80
53 X 19	94.67	168.30	94.67	127.00	52.20 52.20
46 X 40	94.67	111.46	64.60	64.60	38.80 38.80
46 X 37	94.67	113.93	68.10	68.10	41.30 41.30
46 X 26	94.67	135.10	81.50	81.50	48.60 48.60
46 X 19	94.67	167.15	94.67	136.00	57.80 57.80
38 X 37	94.67	122.64	80.80	80.80	49.50 49.50
38 X 26	94.67	142.67	94.67	102.00	62.20 62.20
38 X 19	94.67	171.26	94.67	153.00	69.90 69.90
26 X 26	94.67	174.52	94.67	157.00	92.50 92.50
26 X 19	94.67	209.00	94.67	209.00	94.67 112.00

WELDING:

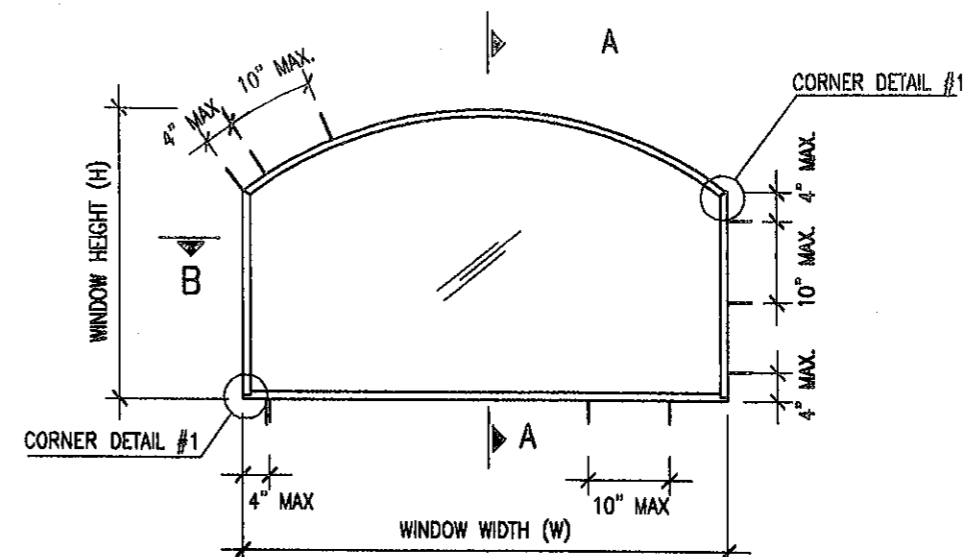
FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY.



CORNER DETAIL #2



CORNER DETAIL #1



SIDEWAYS RECTANGLE WITH CIRCLE TOP
TYPICAL ELEVATION

GENERAL NOTES:

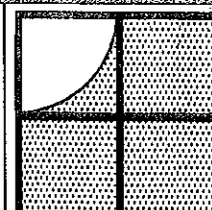
- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
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- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH $f'_c=3,200$ psi MIN., CMU PER ASTM C90, FILLED CMU $f_m=2,000$ psi MIN.
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- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE $F_y= 36$ KSI MIN.
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- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

GLASS:

3/16" TEMPERED, 3/16" ANNEALED OR 1/8" ANNEALED GLASS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0314-09
Expiration Date 10/15/2016
By *Francisco Hernandez*
Miami Dade Product Control

FRANCISCO HERNANDEZ
FLORIDA PE # 51393



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Manufacturing, Inc.
1745 W. 33rd Place
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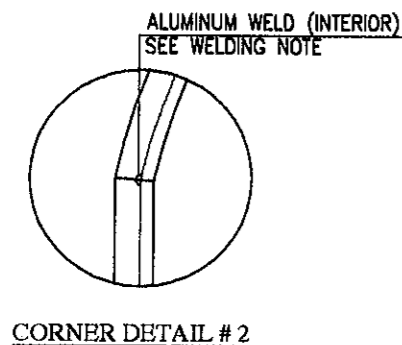
SERIES 4250 ALUMINUM
CIRCLE TOP FIXED WINDOW
NON IMPACT RESISTANT GLASS

NO	DATE	REVISION	FOR 2010 FBC
1	03-07-12		

DRAWING No.
PW-00-02
DATE: 03-22-11
SCALE: NTS
SHEET 2 OF 6

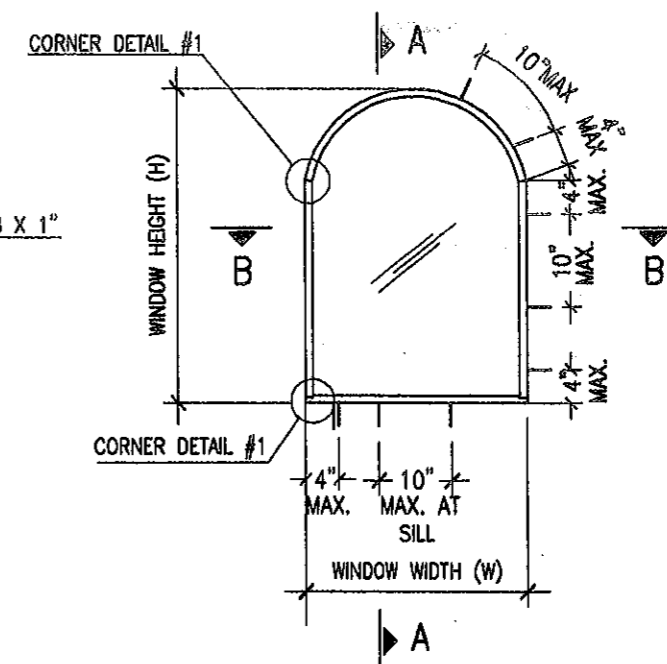
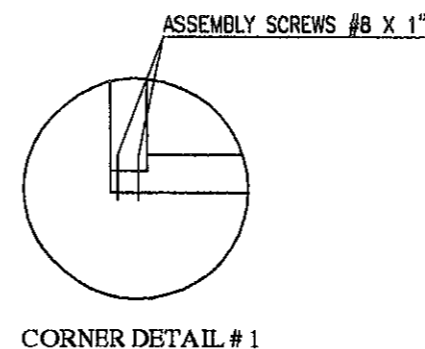
DESIGN PRESSURE CHART - PSF				
WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.
40 X 120	62.67	70.04	-	-
37 X 120	62.67	74.60	-	-
26 X 120	62.67	100.70	47.50	47.50
19 X 120	62.67	133.44	62.67	99.50
46 X 108	62.67	64.48	-	-
40 X 108	62.67	71.63	-	-
37 X 108	62.67	76.14	-	-
26 X 108	62.67	102.08	48.80	48.80
19 X 108	62.67	134.72	62.67	101.00
50 X 96	60.03	60.03	-	-
46 X 96	62.67	65.25	-	-
40 X 96	62.67	73.72	-	-
37 X 96	62.67	78.16	-	-
26 X 96	62.67	103.86	50.40	50.40
19 X 96	62.67	136.37	62.67	104.00
54 X 91	55.59	55.59	-	-
50 X 91	60.03	60.03	-	-
46 X 91	62.67	65.25	-	-
40 X 91	62.67	74.81	-	-
37 X 91	62.67	79.20	-	-
26 X 91	62.67	104.76	51.20	51.20
19 X 91	62.67	137.20	62.67	105.00
58 X 84	51.75	51.75	-	-
54 X 84	55.59	55.59	-	-
50 X 84	60.03	60.03	-	-
46 X 84	62.67	65.25	-	-
40 X 84	62.67	75.04	-	-
37 X 84	62.67	80.92	-	-
26 X 84	62.67	106.23	52.70	52.70
19 X 84	62.67	138.54	62.67	108.00

DESIGN PRESSURE CHART - PSF					
WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS		DSB ANNEALED GLASS
	POS.	NEG.	POS.	NEG.	POS. NEG.
46 X 78	73.31	73.31	34.70	34.70	20.80 20.80
40 X 78	79.94	79.94	34.90	34.90	23.10 23.10
37 X 78	84.25	84.25	35.30	35.30	23.30 23.30
26 X 78	94.67	109.75	54.50	54.50	24.50 24.50
19 X 78	94.67	142.51	62.67	110.00	45.00 45.00
50 X 74	75.70	75.70	36.10	36.10	20.20 20.20
46 X 74	79.06	79.06	36.90	36.90	21.80 21.80
40 X 74	85.87	85.87	37.60	37.60	24.40 24.40
37 X 74	90.32	90.32	37.90	37.90	24.90 24.90
26 X 74	94.67	116.94	56.00	56.00	25.60 25.60
19 X 74	94.67	151.34	62.67	112.00	45.80 45.80
58 X 63	78.23	78.23	37.80	37.80	20.10 20.10
54 X 63	83.48	83.48	38.90	38.90	21.50 21.50
50 X 63	85.41	85.41	41.90	41.90	23.40 23.40
46 X 63	88.20	88.20	43.90	43.90	25.30 25.30
40 X 63	94.35	94.35	46.10	46.10	28.70 28.70
37 X 63	94.67	98.57	46.80	46.80	30.30 30.30
26 X 63	94.67	124.84	61.50	61.50	30.70 30.70
19 X 63	94.67	159.65	62.67	119.00	48.40 48.40
50 X 53	90.75	90.75	49.10	49.10	27.30 27.30
46 X 53	94.67	98.64	51.90	51.90	29.60 29.60
40 X 53	94.67	105.38	56.10	56.10	34.00 34.00
37 X 53	94.67	108.97	57.80	57.80	36.50 36.50
26 X 53	94.67	133.75	62.67	71.00	39.80 39.80
19 X 53	94.67	168.30	62.67	127.00	52.20 52.20
40 X 46	94.67	111.46	62.67	64.60	38.80 38.80
37 X 46	94.67	113.93	62.67	68.10	41.30 41.30
26 X 46	94.67	135.10	62.67	81.50	48.60 48.60
19 X 46	94.67	167.15	62.67	136.00	57.80 57.80
37 X 38	94.67	122.64	62.67	80.80	49.50 49.50
26 X 38	94.67	142.67	62.67	102.00	62.20 62.20
19 X 38	94.67	171.26	62.67	153.00	62.67 69.90
26 X 26	94.67	174.52	62.67	157.00	62.67 92.50
19 X 26	94.67	209.00	62.67	209.00	62.67 112.00



GLASS:
3/16" TEMPERED, 3/16" ANNEALED OR 1/8" ANNEALED GLASS.

WELDING:
FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY.



UPRIGHT RECTANGLE WITH CIRCLE TOP TYPICAL ELEVATION

GENERAL NOTES:

- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- CONCRETE STRENGTH $f'_c=3,200$ psi MIN., CMU PER ASTM C90, FILLED CMU $f_m=2,000$ psi MIN.
- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE $F_y= 36$ KSI MIN.
- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314.09
Expiration Date 10/15/2016
By Francisco Hernandez
Miami Dade Product Control

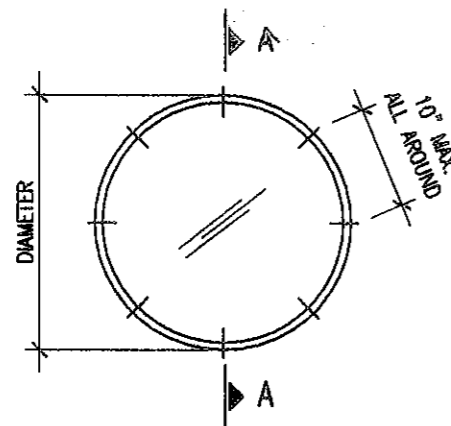
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)384-9952
Fax: (305)828-5118

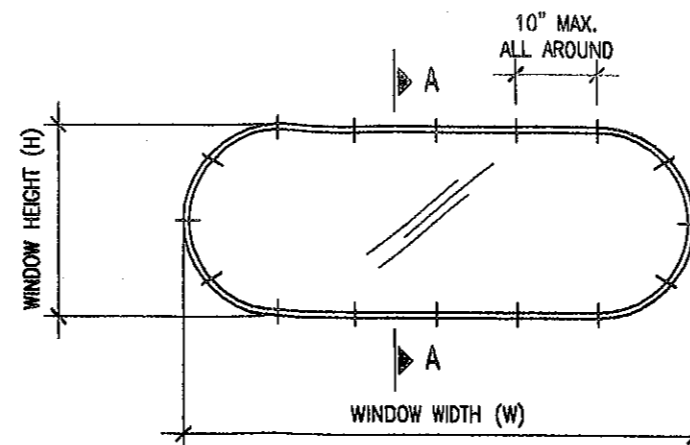
SERIES 4250 ALUMINUM
CIRCLE TOP FIXED WINDOW
NON IMPACT RESISTANT GLASS

No.	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-07-12		

DRAWING No.
PW-00-02
DATE: 03-22-11
SCALE: 1/2"=1"
SHEET 3 OF 6



FULL ROUND
TYPICAL ELEVATION



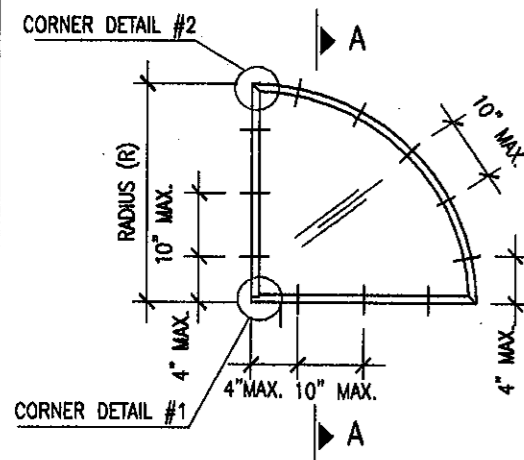
OVAL
TYPICAL ELEVATION

WINDOW DIAMETER INCHES	FULL ROUND / DESIGN PRESSURE CHART - PSF						NUMBER OF ANCHORS
	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS		DSB ANNEALED GLASS		
	POS.	NEG.	POS.	NEG.	POS.	NEG.	
46	94.67	98.64	51.90	51.90	—	—	14
36	94.67	122.64	80.80	80.80	49.50	49.50	11
24	94.67	174.52	94.67	157.00	92.50	92.50	7

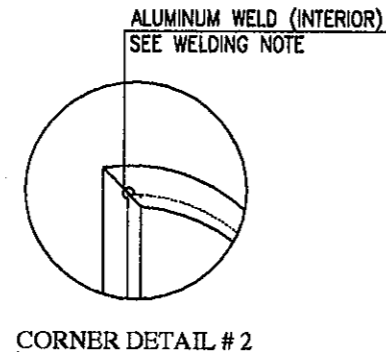
WINDOW SIZE W X H INCHES	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS		DSB ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.	POS.	NEG.
108 X 46	62.67	64.48	-	-	-	-
108 X 37	62.67	76.14	-	-	-	-
108 X 26	62.67	102.08	-	-	-	-
91 X 46	62.67	65.25	-	-	-	-
91 X 37	62.67	79.20	-	-	-	-
91 X 26	62.67	104.76	-	-	-	-
74 X 46	79.06	79.06	36.90	36.90	-	-
74 X 37	90.32	90.32	37.90	37.90	-	-
74 X 26	94.67	116.94	56.00	56.00	-	-
53 X 46	94.67	98.64	51.90	51.90	-	-
53 X 37	94.67	108.97	57.80	57.80	36.50	36.50
53 X 26	94.67	133.75	71.00	71.00	39.80	39.80
38 X 24	94.67	142.67	94.67	102.00	62.20	62.20

GENERAL NOTES:

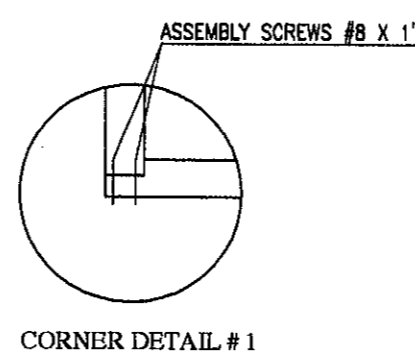
- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRAÇON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRAÇON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.



QUARTER ROUND
TYPICAL ELEVATION



CORNER DETAIL #2



CORNER DETAIL #1

GLASS:

3/16" TEMPERED, 3/16" ANNEALED OR 1/8" ANNEALED GLASS.

WELDING:

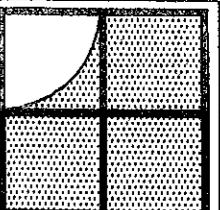
FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY.

WINDOW RADIUS INCHES	QUARTER ROUND / DESIGN PRESSURE CHART - PSF						NUMBER OF ANCHORS	
	3/16" TEMPERED GLASS		3/16" ANNEALED GLASS		DSB ANNEALED GLASS			
	POS.	NEG.	POS.	NEG.	POS.	NEG.	STRAIGHT SIDE	ARCH
46	94.67	98.64	51.90	51.90	—	—	5	8
36	94.67	122.64	80.80	80.80	49.50	49.50	4	7
24	94.67	174.52	94.67	157.00	92.50	92.50	3	5

PRODUCT REVISED
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Expiration Date 10/15/2016
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Miami Dade Product Control

3-9-12

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

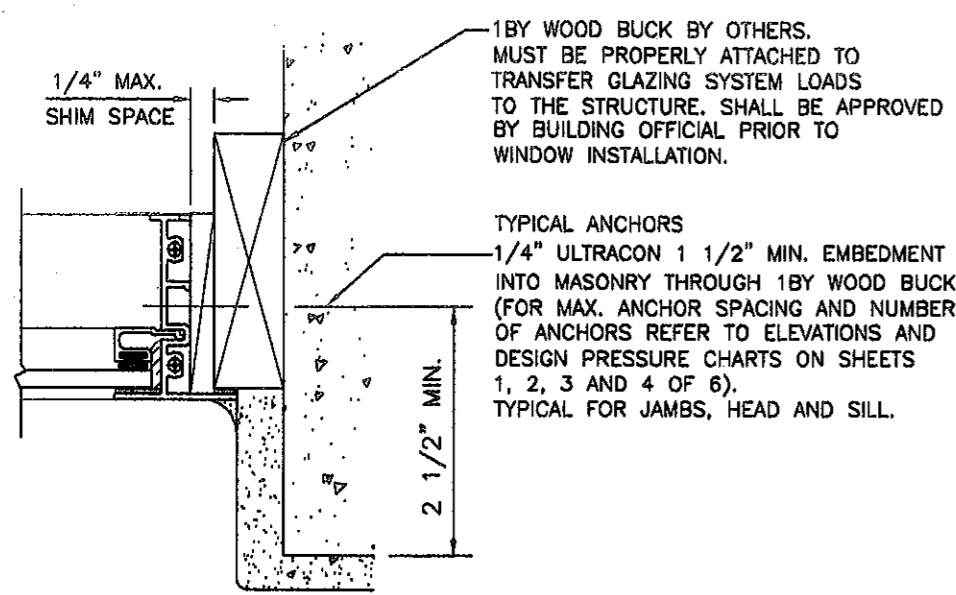


Sunshine Windows
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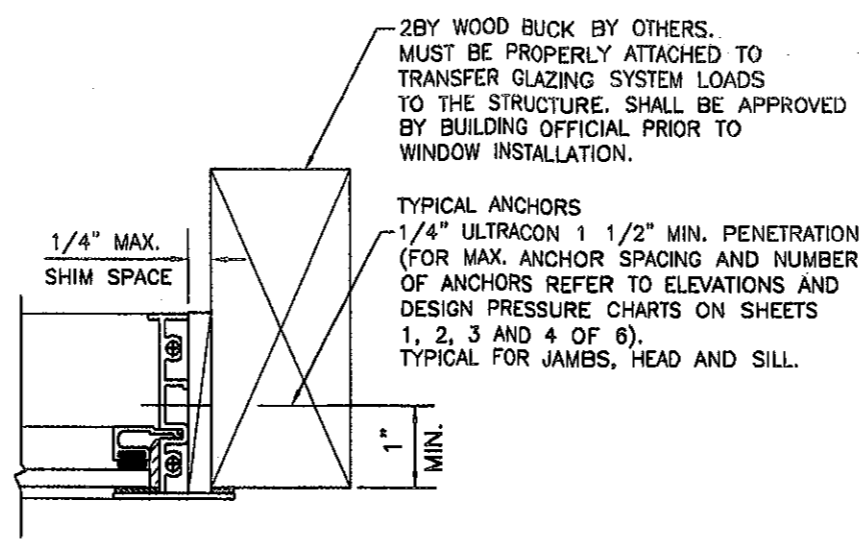
SERIES 4250 ALUMINUM
CIRCLE TOP FIXED WINDOW
NON IMPACT RESISTANT GLASS

REVISION
DATE
1 03-07-12
UPDATED FOR 2010 FBC

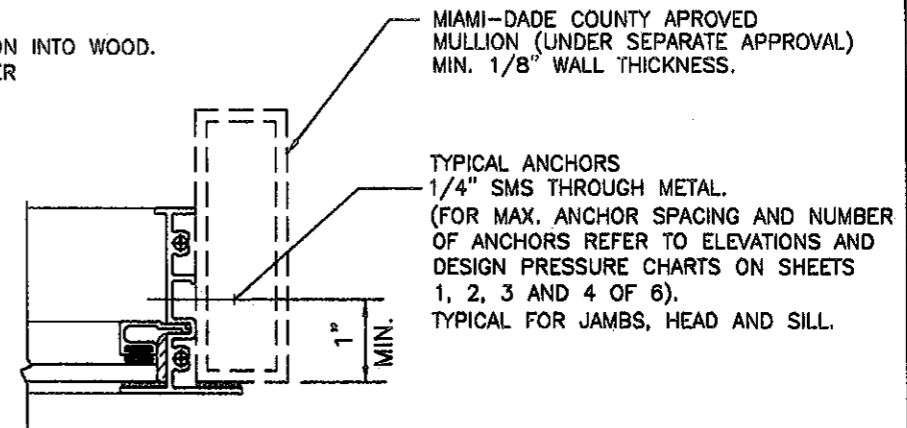
DRAWING No.
PW-00-02
DATE: 03-22-11
SCALE: 1/2"=1"
SHEET 4 OF 6



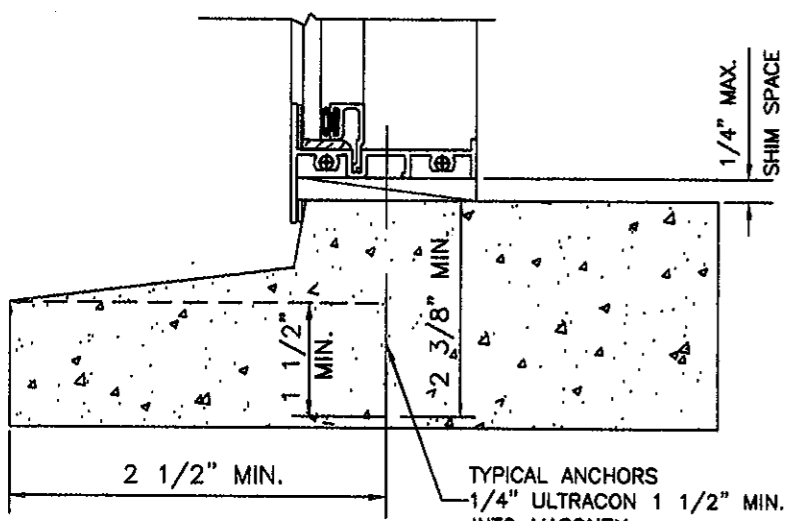
ATTACHMENT TO MASONRY



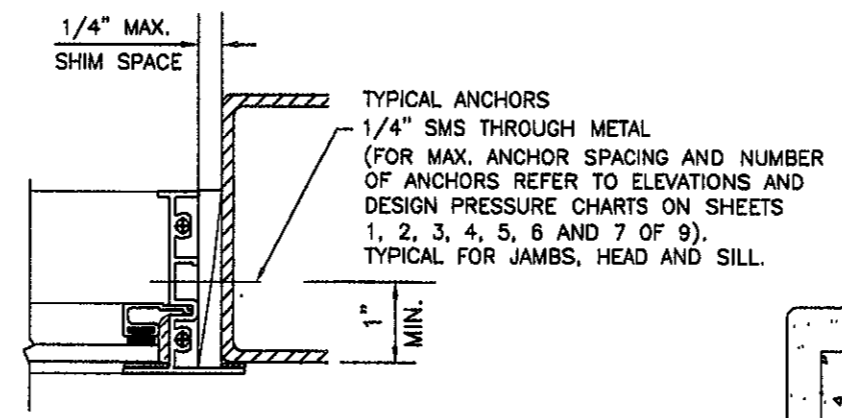
ATTACHMENT TO WOOD



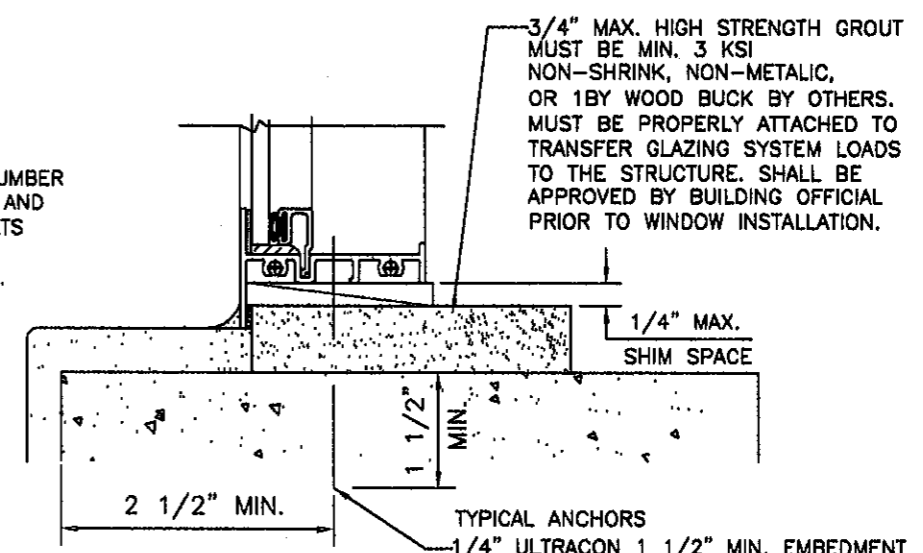
ATTACHMENT TO MULLION DETAIL



ATTACHMENT TO PRE-CAST SILL



ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



ATTACHMENT TO MASONRY

TYPICAL SECTIONS

PRODUCT REVISED
as complying with the Florida
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Expiration Date 10/15/2016
By *[Signature]*
Miami Dade Product Control

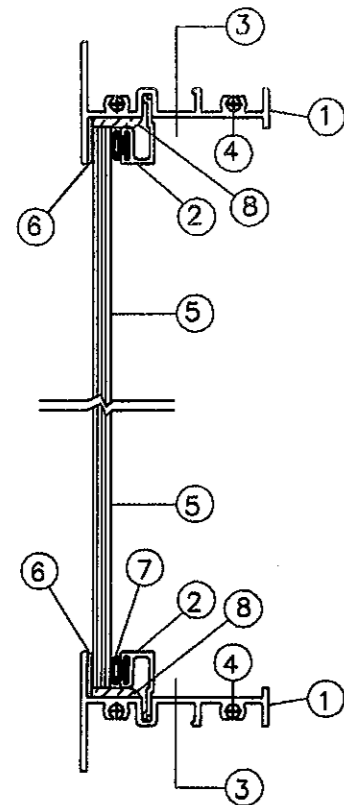
[Signature]
3-9-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

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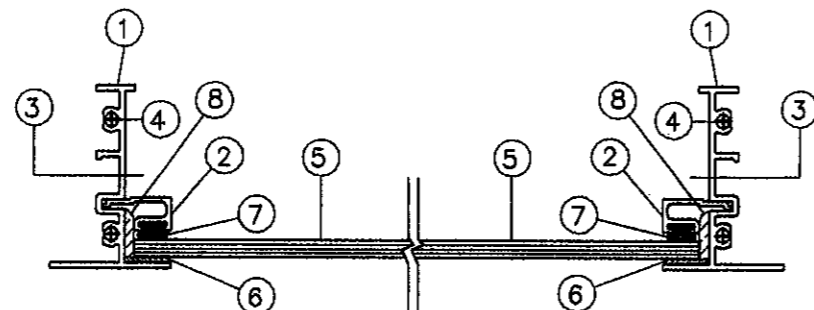
**SERIES 4250 ALUMINUM
CIRCLE TOP FIXED WINDOW
NON IMPACT RESISTANT GLASS**

No	DATE	REVISION	NO CHANGE THIS SHEET
1	03-07-12		

DRAWING No.
PW-00-02
DATE: 03-22-11
SCALE: 1/2"=1"
SHEET 5 OF 6

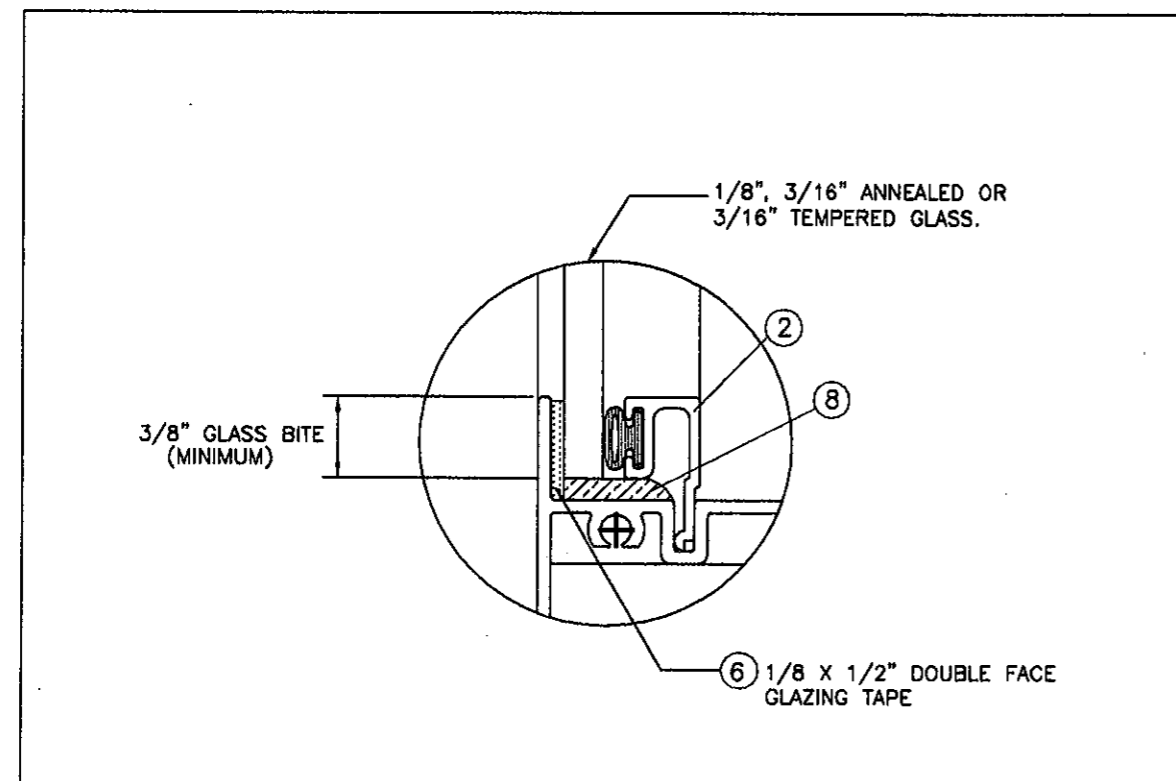


SECTION A - A



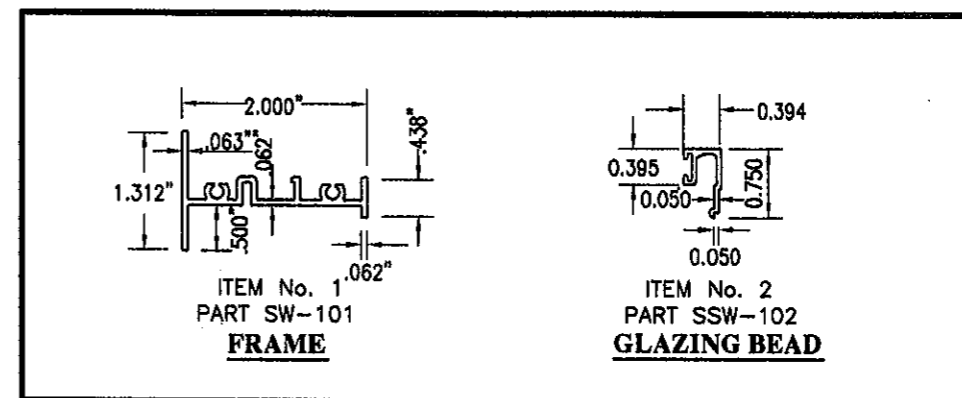
SECTION B - B

GLAZING DETAIL



MATERIAL LIST

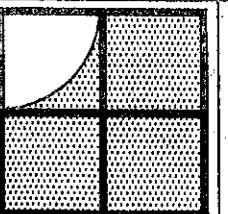
ITEM #	PART	DESCRIPTION	MATERIAL
1	SW-101	HEAD, SILL AND JAMBS	6063-T6
2	SSW-102	GLAZING BEAD	6063-T6
3	ANCHORS	SEE ELEVATION SHEETS	
4	# 8" X 1" PH S.M.S	ASSEMBLY SCREW	
5	1/8" ANN., 3/16" ANN. OR 3/16" TEMP. GLASS	SEE GLAZING DETAIL ON SHEET 6 OF 6	
6	-	1/8" X 1/2" DOUBLE FACE GLAZING TAPE	FOAM
7	GLAZING BULB		VINYL DUR: 75
8	SEALANT	FLEXSIL 4300	SILICONE



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**SERIES 4250 ALUMINUM
CIRCLE TOP FIXED WINDOW
NON IMPACT RESISTANT GLASS**

NO	DATE	REVISION
1	03-07-12	NO CHANGE THIS SHEET

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DATE: 03-22-11
SCALE: 1/2"=1"
SHEET 6 OF 6